

# ABDUL LATIF (Electrical Engineer)



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**Date of Birth:** May 24, 1976

## Career Objectives:

A highly enthusiastic aspiring to work with a team of motivated professionals in a challenging environment to augment my technical, project management and leadership abilities and can contribute through my education, skills and experience to the optimum level for the growth of the organization.

### ❖ Academic:

#### **Bachelors of Engineering in Electrical Engineering**

Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan.

#### **Intermediate in Pre-Engineering**

Board of Intermediate & Higher Secondary Education, Hyderabad.

#### **Matriculation in Science**

Board of Intermediate & Secondary Education, Hyderabad.

### ❖ Professional Experience:

1. Worked as **General Manager Distribution** in KE formerly known as **KESC** **(01-01-2014 to 17-07-2017).**
2. Worked as **Deputy General Manager(DGM) Distribution** in KE formerly known as **KESC** **(01-12-2009 to 31-12-2013).**
3. Worked as a **Manager Distribution** in **K-Electric** formerly known as **KESC** **(20-02-2006 to 30-11-2009).**
4. Worked as a **Sub-Divisional Officer(SDO) distribution** in **K-Electric** formerly known as **KESC** **(08-06-2004 to 19-02-2006).**
5. Worked as an Assistant Executive Engineer ( **AEE Distribution**) in **K-Electric** **(16-09-2003 to 07-06-2004).**
6. **Worked as a Chief Electrical Engineer in Maqbool & company (02-08-2017 to till date):**

### ❖ Main Responsibilities:

- Construction of underground/Overhead Electrification schemes.
- Planning, designing, drawings, evaluations and technical reviewing of large scale HT and LT Overhead/Underground distribution system of residential and commercial areas.

- Cost analysis and quantity surveying of 11 KV HT / LT.
- Preparing proposals, design drawings, specifications and calculations for the distribution power projects.
- Planning, overseeing and directing the construction and implementation of electrification projects together with supply, installation, testing, commissioning and Energizing to ensure that projects are installed in accordance with the quality standards.
- Noting any deficiencies and directing the subordinates/contractors to effective remedial.
- Procurement, construction, installation, testing and commissioning activities of the 11KV HT and LT including (100-630) KVA / Substation, 11KV switch gears, HT/LT Ring man, Radial cable system.
- Isolation of faults and resolved electrical system malfunctions of varying degrees of complexity.
- Handing over / taking over of completed underground/OH electrification schemes.
- Voltage drop, power losses calculation, HT/ LT cable sizing and testing.
- 132/11 KV grid station layouts (single line diagram, general, overall layout, equipment layout plan.
- Installation, laying and burying of HT/LT underground cable.
- Identification of various types of faults occurring in underground/overhead cables and its detection.
- Identification of open circuit fault, short circuit and earth circuit fault and its physical repairing.
- Dealt with different significant types of classification of underground cables based upon; number of conductors in the cable, voltage rating of the cable , construction of cable , types and thickness of insulation used, installation and laying of the cables.
- Conversant with underground cable locator functioning and its types.
- Familiar with Armoured and Unarmoured cables and its types, specification, usages, sizes, advantages and disadvantages along with their difference.
- Understanding about Transformer, its working functions, construction, type's, applications and parts.
- Proficiency regarding Losses, Efficiency and Load balancing in transformer.
- Adapted to Capacitor and its types, characteristics and applications.
- Learnt about Power factor functioning, importance, improvement and its correction.
- Capacitor banks functioning, installation, usage, protection and connection of capacitor banks and its use of substations.
- HT/ LT Poles Erection.
- To carry out work of HT/LT Main maintenance including substations and PMT's.
- Maintenance of sub-stations at LT panel to repair and jointing of LT underground cable.
- To rectify the complaints of consumers within limited period of time.
- Reinforcement of HT/ LT Mains along with accessories.
- Load balancing of LT networking.
- Testing of sub-stations and PMT's.
- Prepare system improvement proposals.
- Planning, analyzing and implementing Mega Projects.
- For reduction of T&D losses to install and monitor equipment's of HT&LT network.

**H.T. Capacitors:** To improve the power factor to update the voltage profile and increasing the efficiency of electrical appliances.

**L.T Breakers:** To save the life of appliances during the time of short circuit and over voltages.

❖ **Check Meters:**

- To ascertain the rate of units at PMT's and recovery of the units on the same PMT's to monitor/check the losses.
- Installation of single phase, three phase large bus bars and small bus bars on multi-story buildings.
- To attend the meetings with high-ups regarding distribution network and get implemented the decided requirements.
- To arrange for material from central store or sub-stores and keep corresponding with concerned departments.
- To keep update to senior management on daily activities and to have sound contact with subordinates at site.

❖ **SAFETY:**

- Conducting safety meetings, TOOL BOX TALK.
- Carrying out daily safety inspection to identify unsafe working conditions, unsafe work practices, and unsafe equipment.
- Providing safety guidance to the supervisors and workers.
- Check area against weekly check list (Daily check List) provision for safe place of work.
- Train and educate workers on the job oriented safety requirements.
- Identifies high-risk potential hazard in the work place and advice appropriate to loss control measures.
- Design and installs different kinds of safety signs (i.e. informative, directional, precautionary, regulatory and others).
- Conduct regular inspections of Fire Protection Equipment to assure its proper placement and operational condition.
- Ensure safety of men, materials, equipment and healthy environment and maintain the safe working condition on site.
- Initiate immediate stoppage of any operation that could cause death, injury or extensive damage to property.
- Making sure that all equipment are switched off before commencing the work.
- Checking that all tools and equipment are insulated & grounded.
- Providing training in the use of extinguisher specially those for electrical fire.
- Only authorized technical staff is allowed to carry out the electrical job functions at the site.
- To make sure that all the field staff is having proper Personal Protection Equipment's (PPE's) and Special Protection Equipment's (SPE's). Fully equipped with during the working hours in order to avoid any safety hazard and also to get them checked on random basis.

❖ **PROJECT EXPERTISES:**

- To Engineering calculations such as; structural analysis for wooden pole loading, guying
- Calculations, specifying conductor sags and tensions for recommended spans, and calculation of voltage drop.
- Review, coordinate, and assist activities involving switching, maintenance and operation of the electrical power system.

- Work as manufacturing liaison between operations and Engineering and assist in developing project scopes.
- Inspect field work to ensure conformance and plans and specifications, maintain proper and safe working environment.
- Identify and recommend changes in existing power distribution system and suggests changes in plans to meet operational or departmental requirements and regulations.
- Maintaining the customer satisfaction enforcing the issues to resolution process for technical support and spare part delivery management.
- Directing feasibility studies of project opportunities, reviewing conclusions and developing delivery solutions, managing project risks, changes and service and project operations.  
Reviewing project opportunities and providing go and no go recommendations.
- Administered the project contract, Ensured the quality, Environmental, Health and safety scopes and community engagements during project delivery.
- Assured the quality of services and projects delivery.
- Designed Medium and Low voltage power line constructions and rehabilitation works including cost estimation and project supervisions.
- Allocated and distributed Capital and Rehabilitation Budgets for the IBC's.
- Provided quarterly training for technical personnel.
- Kept Projects clients informed, solicited their feedback and managed changing expectations.
- Led brainstorming meetings for new initiatives.
- Evaluate services for faults and quality and enact service restorations in a timely manner.
- Identify risk levels in new projects.
- Create network diagrams that show the deliverables of a project and the order of completion.
- Scheduled deadlines for overall project and its individual task.
- Motivated and directed 300 employees over the course of a stipulated time to complete the projects.
- Analyzed quarterly financial data and risk projections.

❖ **Execution of Electrification schemes:**

A great number of residential and commercial areas, Housing society Projects, colonies, abandoned schemes where there was no any electrical networking system (HT/LT) were Executed and Electrified with a proper way of handing over / taking over Procedure.

❖ **ABC (Aerial Bundled Cables):**

To execute ABC in various project based schemes, mainly High loss areas, Hopeless/deteriorated condition of conductors and Katchi Abadis to control the theft, frequent wire broken, minimize the ratio of faults, ensuring proper voltages, bringing reliability and stability in the system for provision of uninterrupted and continuous power supply at the consumer's end also reducing losses on a greater level.

❖ **MNCV (Mobile New Connection Van):**

Speedy and quick installation of power energy meters on door steps of the consumers through Mobile New Connection Van (MNCV) at lowest cost, converting kunda manifested area's/ kunda connections in to metering connections causing to record the actual consumed consumption, in order to control the drained units & observe the loss accuracy, also reducing complaints of frequent faults, repeatedly occurred tripping, improving the complaints of low voltages, making the system a reliable and stable for better services of the power supply.

Interaction with Pre-qualified contractors (PQC's) to get ready the arrangements of labour, material and electric equipment's (PMT's, Cables, Breakers, Switches, Fuses, Poles, Pole mounted tower ladders, vehicles, etc.) within the specific time frame to initiate and complete the required work maintaining the standardization, Safety and quality of work at the assigned schemes/Projects.

❖ **Brief History of Arrangements:**

- To check the sales position on daily basis and ensure the recovery accordingly.
- To monitor the daily drives of disconnections and re-connections.
- Excellent administrative skills, Creating innovative ideas and its solutions, Keen to perform and deliver, attractive and convincing and public dealing, resolving issues on daily basis.
- To resolve the technical and non-technical matters related to Network, business, Projects, Execution and planning departments.
- To ensure the recovery of dues/chronic dues.
- Settlement of old, chronic cases and confirmation for payment of its Payable amount.
- To monitor & control the losses on those PMT's/SS's where theft being carried out, capturing all those doing theft technically and Process the units drained-out accordingly for loss sustainability.
- Keeping a close liaison with the staff members and a sound interaction with the area representatives/ consumers to bring the best results.

❖ **Cost saving practices:**

- Managed the annual portfolio of 12000 Million PKR with the active consumer base of 110,000 monthly and lead the team of 350 people directly.
- Brought 1000 Million PKR additional cash by targeting high dues carrying defaulters.
- Increased consumer base by 50000 as new consumers in only one year's period.

- Increased billing by 900 Million PKR in one year's period.
- Improved annual Recovery ratio (RR) by 23%.
- Improved annual paying ratio (PR) by 16%.
- Improved billing quality by 18%.
- Converted additional 11000 non-paying consumers into regular paying consumers.
- Converted (704 PMT's) in to LT-ABC Cable by reducing the losses to a remarkable level of 25%.
- Changed 39,440 meters. (Old meters with digital ones).
- 60,000 meters installed through New Connection Mobile VAN.
- 200 System improvement proposals (SIP's) had been executed to reinforce the system.
- Over 3000 hopeless poles have been reinforced by replacing them with new ones.
- Recorded 67000 consumers were surveyed in a year.

❖ **Brief History of Assignments:**

- Keeping an eagle eye to look-after the HT/LT maintenance work of the whole area, rectification of the underground cable faults, preventive maintenance of high voltage system (HT) and low tension voltage (LT) system.
- Preparing of budget for maintenance/future planning in new developed areas. Calculating future load assessment requirements so as to meet the criterion demanded load v/s generating load, Controlling and monitoring the dress of safety hazards.
- Ensuring proper planning, organizing & implementing of all the safety health and environmental activities in the department.

❖ **Prominent Attributes:**

- Quick learning skills, resourceful, pro-active and goal-oriented.
- Capable to meet any challenges and work under severe pressures.
- Creative thinking, Potentate, Energetic, Agile, Dedicated and hard-working.
- Well-organized, analytical, problem solving and team leader.
- Excellent communication and inter-personal skills.

❖ **Award and Appreciations:**

- Awarded a massive amount of Rupees "**1 Million cash prize**" on achieving the incentive targets in the **year of 2014**.
- Certificate of appreciation as a "**Best Performer**" for the **Year of 2005**.

- Certificate of appreciation and “**handsome cash prize**” on achieving the Incentive Targets for the Month of March 2010.
- Certificate of appreciation on the successful completion of “**ISO 9001: 2008 QMS to integrated Business center IBC Bin Qasim K.E** as a General Manager (**Head of Department**) recommended by **M/S Bureau Veritas Certification**.
- Got letter of appreciation on resolving different chronic issues within no time by **Mr. Tabish Gohar CEO K-Electric**.
- Got letter of appreciation on improving the “**Networking System**” by replacing the obsolete accessories and equipment’s with enhanced technologies, providing to consumers an uninterrupted power supply by **Mr. Frank Scherschmidt CEO/MD K-Electric (formerly KESC)**.
- Got letter of appreciation on achieving the desired results of challenging work towards system improvement by **Mr. Tariq Saduzai Managing Director (MD KE formerly KESC)**.
- Got letter of appreciation on managing and providing **an uninterrupted power supply for 40 days on the Eve of “Eid Mila dun Nabi”** by Mr. Tariq Saduzai Managing Director ( MD KE formerly KESC).

❖ **Training and workshops:**

- Attended One Day Training on “Building a Respectful work place”.
- Attended Two days’ workshop on “Developing Effective Relations”.
- Attended One Day workshop on “The Spirit of Annual Performance Appraisal”.
- Attended One Day Training on “Information Security and awareness Module-1”.
- Attended Two days Training on “The Spirit of Annual Performance Appraisal”.
- Attended Two days conference on “The Year of Turn around Azam Conference 2012”.

❖ **Skills:**

- Team work, problem solving, adaptability and time Management.
- Goal setting, coaching and performance Management.
- Projects, Sales and recovery, Customer relationship management and business development.
- Demonstrated attention to details and have excellent organizational skills.
- Thoroughly knowledgeable in methods, system equipment and processes of distribution system.
- The ability to produce system schematics to a good standard.
- Savvy planning and organizational skills.
- Fully knowledgeable in process costing, cost accounting, and budgeting.
- Microsoft office.
- Precision over windows OS.
- Command over internet search engines regarding collection of information.

- Excellent typing speed.
- ❖ **Time-Off Activities:**
- Researching Islamic history and other perspectives.
- Reading books related to Islamic Ideology, current affairs, History, Science, Sports and General Knowledge.
- Collecting Information by means of Internet.
- Playing cricket, football and table-tennis.
- Visiting famous historical and antique places.

❖ **References:**

1) **Name:** Waseem Ahmed Channa.

**Designation:** Office Manager Sindh Agricultural Growth Project (**SAGP-Agri**).

**Contact No:** (0300-3754658).

2) **Name:** Izhar Hussain Umran.

**Designation:** General Manager (**NESCOM**).

**Contact No:** (0321-5349904).